

US006848386B1

(12) United States Patent Gieseke

(10) Patent No.: US 6,848,386 B1 (45) Date of Patent: Feb. 1, 2005

(54)	UNDERWATER	WEAPON	SYSTEM	HAVING
	A ROTATABLE	GUN		

(75) Inventor: Thomas J. Gieseke, Newport, RI (US)

(73) Assignee: The United States of America as represented by the Secretary of the

Navy, Washington, DC (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/730,184

(22) Filed: Dec. 8, 2003

(51) Int. Cl.⁷ B63G 8/30

(52) **U.S. Cl.** 114/316; 114/8; 89/38

(56) References Cited

U.S. PATENT DOCUMENTS

1,303,266 A	* 5/1919	Dougan 11	14/316
1,349,414 A	8/1920	Dougan	
1,781,175 A	11/1930	Grieshaber	
2,979,015 A	4/1961	Estes	
3,474,750 A	10/1969	Bleu	
3,587,504 A	* 6/1971	Kearney, II	114/6

3,774,564	Α	11/1973	Bondon et al.	
3,990,035	A	11/1976	Byers	
4,132,974	Α	* 1/1979	Mollere	367/15
4,262,621	Α	4/1981	Tolkiehn et al.	
4,975,543	A	12/1990	Saunders	
6.044.038	Α	* 3/2000	Allensworth	367/16

FOREIGN PATENT DOCUMENTS

FR	2 688 466 A1	*	9/1993
GB	2 177 352 A	*	1/1987

^{*} cited by examiner

Primary Examiner—Stephen M. Johnson (74) Attorney, Agent, or Firm—James M. Kasischke; Michael P. Stanley; Jean-Paul Nasser

(57) ABSTRACT

An underwater weapon system having a housing formed by first and second halves thereof sandwiched about a gun system that is rotatably mounted to and between the first and second halves. The gun system includes a gun and ammunition sealed within a waterproof housing with a muzzle of the gun protruding from the waterproof housing. The gun system is rotatable relative to the first and second halves of the housing while the housing can be maneuvered to rotate through a plane of rotation of the gun system as the housing moves through the water.

10 Claims, 2 Drawing Sheets

